

Do You Know

These Conversions

1 year \approx _____ days

365.256

1 mile = _____ ft

5280



1 teaspoon = _____ liquid oz.

1/6

1 tablespoon = _____ liquid oz.

0.5



1 liter \approx _____ quarts

1.0567

1 lb (Avoirdupois) = _____ avdp oz.

16



1 gallon = _____ cubic inches

231

1° (angle measure) = _____ minutes (')

60



June has _____ days

30

g (on earth) \approx _____ ft/sec²

-32.174



Metric prefix mega = _____

10^6

Density (water) = _____ g/cm³

1

50

Area of sector =

$$(1/2)R^2\theta$$

Area of segment =

$$(1/2)R^2(\theta - \sin\theta)$$

Area of circle =

$$\pi R^2$$

Area of rhombus given diagonals
lengths =

$$(1/2)(\text{diagonal}_1 \times \text{diagonal}_2)$$

Area of equilateral Δ given side s =

$$s^2 \sqrt{3}/4$$

Area of equilateral Δ given height h =

$$h^2 \sqrt{3}/3$$

Volume of sphere =

$$\frac{4}{3}(\pi)R^3$$

Surface area of sphere =

$$4\pi R^2$$

Volume of cylinder given length l =

$$\pi R^2 l$$

Area of Δ (Heron's Formula)

given sides **a**, **b**, **c** =

$$\sqrt{s(s-a)(s-b)(s-c)}$$

Total surface area of right circular

cone given slant height **s** =

$$\pi R(R + s)$$

Volume of frustum for right

$$\left(\frac{1}{3}\right) \pi h (R^2 + R^2 + R R)$$

Area of Rhombus given adjacent sides **a**, **b**, and included angle =

$$ab\sin A$$

Area of scalene Δ given adjacent sides **a**, **b** and included angle =

$$(1/2)ab\sin A$$

Perimeter of a Rhombus

$$4s$$